

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|---------|---|---|------------------|---------|------------------|
| S1 | 23 | ("3751605" "4400590" "4495384" "4819647" "5603726" "5626629" "5938691" "6067474" "6078838" "6129753" "6157861" "6181969" "6195585" "6205360" "6208882" "6219580" "6249704" "6289247" "6295467" "6393325" "6415185" "6516227").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/12 15:09 |
| S2 | 12 | ("4357497" "4510936" "5095904" "5271397" "5603726" "5674264" "5758651" "5885225" "6078838").PN. OR ("6249704").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/06/12 15:32 |
| S3 | 16 | ("4374526" "4884447" "5413114" "5526819" "5546956" "5594174").PN. OR ("5885225").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/06/12 15:58 |
| S4 | 78 | (607/55).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/06/12 15:58 |
| S5 | 29 | ("4374526" "4459996" "4589137" "4630304" "4636586" "4649505" "4653102" "4672674" "4684989" "4716907" "4884447" "5033082" "5267571").PN. OR ("5526819").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/06/12 16:16 |
| S9 | 83300 | ((("600") or ("607"))).CLAS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/06/12 16:17 |
| S10 | 0 | S6 and S9 | US-PGPUB; USPAT; USOCR | OR | ON | 2006/06/12 16:17 |
| S11 | 431 | (ramcharitar fortune).in. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/06/12 16:39 |
| S15 | 7 | ((("6249704") or ("6219580") or ("4400590") or ("5626629") or ("6067474") or ("6157861") or ("6289247"))).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/06/13 09:55 |
| S16 | 1 | ("6393325").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/06/13 10:55 |
| S17 | 3036 | (cochlea cochlear) and (implant system device) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/13 13:54 |
| S18 | 1878781 | pitch frequency | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/13 13:54 |

EAST Search History

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|-----|---------|--|---|----|----|------------------|
| S19 | 21946 | (place location point) near (stimulus stimulation electrode) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/13 13:55 |
| S20 | 223 | S17 and S18 and S19 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/13 14:45 |
| S21 | 372643 | waveform morphology | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/13 13:56 |
| S22 | 2051090 | amplitude magnitude height | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/13 13:56 |
| S23 | 134923 | pulsewidth (pulse adj width) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/13 13:56 |
| S24 | 3029 | current near steering | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/13 13:56 |
| S25 | 13 | S17 and S24 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/13 13:56 |
| S26 | 3763 | (current near steering) (virtual near electrode) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/13 13:57 |
| S27 | 1200171 | octave scale diatonic | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/13 13:57 |
| S28 | 11772 | vowel consonant formant | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/13 13:57 |
| S29 | 166612 | acoustic | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/13 14:38 |
| S30 | 1114 | S17 and S27 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/13 14:38 |

EAST Search History

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|-----|---------|---|---|----|----|------------------|
| S31 | 96 | S30 and S28 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/13 14:39 |
| S32 | 25 | S17 and S26 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/13 14:39 |
| S33 | 9 | S32 and S27 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/13 14:40 |
| S34 | 0 | S33 and S28 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/13 14:39 |
| S35 | 1 | S32 and S28 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/13 14:42 |
| S36 | 2 | S26 and S27 and S28 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/13 14:42 |
| S37 | 121 | (S31 S32 S33) and S18 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/13 14:45 |
| S38 | 3036 | (cochlea cochlear) and (implant system device) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/14 08:28 |
| S39 | 1200171 | octave scale diatonic | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/14 10:38 |
| S40 | 11772 | vowel consonant formant | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/14 08:28 |
| S41 | 1114 | S38 and S39 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/14 08:28 |
| S42 | 96 | S41 and S40 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/14 08:28 |

EAST Search History

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|-----|---------|---|---|----|----|------------------|
| S43 | 1878781 | pitch frequency | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/14 08:28 |
| S44 | 3763 | (current near steering) (virtual near electrode) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/14 08:28 |
| S45 | 25 | S38 and S44 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/14 08:28 |
| S46 | 9 | S45 and S39 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/14 08:28 |
| S47 | 121 | (S42 S45 S46) and S43 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/14 08:28 |
| S48 | 21946 | (place location point) near (stimulus stimulation electrode) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/14 08:28 |
| S49 | 223 | S38 and S43 and S48 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/14 08:37 |
| S50 | 112 | S47 not S46 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/14 08:38 |
| S51 | 25 | S47 not S42 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/14 08:38 |
| S52 | 218 | S49 not S42 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/14 08:38 |
| S53 | 204 | S52 not S47 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/14 08:38 |
| S54 | 12 | ("3751605" "4267410" "4284856" "4357497" "4400590" "4408608" "4428377" "4532930" "4577641" "5626629" "6157861" "6609032"). PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/06/14 10:26 |

EAST Search History

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|-----|----|--|---|----|----|------------------|
| S56 | 69 | (US-20060116742-\$ or US-20040236390-\$ or US-20050273141-\$ or US-20050245987-\$ or US-20050137651-\$ or US-20050137650-\$ or US-20030114899-\$ or US-20020010496-\$ or US-20040136556-\$ or US-20060100672-\$ or US-20050209655-\$ or US-20010031909-\$ or US-20040082980-\$ or US-20030167077-\$ or US-20020128827-\$ or US-20020116177-\$ or US-20050065781-\$ or US-20050008179-\$ or US-20050033377-\$ or US-20030171786-\$ or US-20030036790-\$).did. or (US-6415185-\$ or US-6289247-\$ or US-6249704-\$ or US-6219580-\$ or US-6205360-\$ or US-6078838-\$ or US-5626629-\$ or US-4495384-\$ or US-4357497-\$ or US-5526819-\$ or US-6889085-\$ or US-5885225-\$ or US-5868682-\$ or US-5710819-\$ or US-6393325-\$ or US-7039466-\$ or US-6915166-\$ or US-6198971-\$ or US-5891183-\$ or US-5762583-\$ or US-5755747-\$ or US-5531774-\$ or US-6304787-\$ or US-5649970-\$ or US-6970570-\$ or US-6868163-\$).did. or (US-6731769-\$ or US-6571207-\$ or US-5867816-\$ or US-5809462-\$ or US-5800475-\$ or US-5794187-\$ or US-5758023-\$ or US-5749066-\$ or US-5271397-\$ or US-4532930-\$ or US-6925332-\$ or US-6731986-\$ or US-6397110-\$ or US-6374143-\$ or US-6175767-\$ or US-6157861-\$ or US-6068652-\$ or US-6002966-\$ or US-5860936-\$ or US-5601617-\$ or US-4648403-\$ or US-6609032-\$).did. | US-PGPUB; USPAT | OR | ON | 2006/06/14 10:36 |
| S57 | 16 | S56 and octave | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/14 10:39 |
| S58 | 14 | S56 and S44 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/14 10:38 |

EAST Search History

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|-----|----|------------------------------|---|----|----|------------------|
| S59 | 20 | S56 and S40 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/14 10:38 |
| S60 | 0 | S57 and S58 and S59 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/14 10:37 |
| S61 | 45 | S56 and S39 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/14 10:37 |
| S62 | 29 | S61 not S57 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/14 10:38 |
| S63 | 66 | S56 and S43 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/14 10:40 |
| S64 | 11 | "66" and S62 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/14 10:40 |
| S65 | 29 | S63 and S62 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/14 10:40 |
| S66 | 11 | S59 and S62 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/14 10:40 |
| S67 | 20 | S63 and S59 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/14 10:40 |
| S68 | 14 | S63 and S58 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/14 10:41 |
| S69 | 16 | S63 and S57 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/14 11:12 |
| S71 | 20 | (robert and p and quinn).in. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/14 11:15 |

EAST Search History

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|-----|---------|--|---|----|-----|------------------|
| S72 | 3 | (robert and patel and quinn).in. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/14 11:12 |
| S73 | 18 | S56 and S39 and S40 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/14 12:06 |
| S74 | 2 | S56 and (frequency adj map) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/14 12:10 |
| S75 | 5 | ((("6516227") or ("6393325") or ("6249704") or ("6218580") or ("4400590")).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/06/14 15:07 |
| S76 | 1 | ("5626629").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/06/14 15:07 |
| S77 | 3763 | (current near steering) (virtual near electrode) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/14 16:19 |
| S78 | 1878781 | pitch frequency | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/14 16:19 |
| S79 | 1200171 | octave scale diatonic | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/14 16:20 |
| S80 | 11772 | vowel consonant formant | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/14 16:20 |

EAST Search History

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|-----|-----|--|--------------------|----|----|------------------|
| S81 | 69 | (US-20060116742-\$ or US-20040236390-\$ or US-20050273141-\$ or US-20050245987-\$ or US-20050137651-\$ or US-20050137650-\$ or US-20030114899-\$ or US-20020010496-\$ or US-20040136556-\$ or US-20060100672-\$ or US-20050209655-\$ or US-20010031909-\$ or US-20040082980-\$ or US-20030167077-\$ or US-20020128827-\$ or US-20020116177-\$ or US-20050065781-\$ or US-20050008179-\$ or US-20050033377-\$ or US-20030171786-\$ or US-20030036790-\$).did. or (US-6415185-\$ or US-6289247-\$ or US-6249704-\$ or US-6219580-\$ or US-6205360-\$ or US-6078838-\$ or US-5626629-\$ or US-4495384-\$ or US-4357497-\$ or US-5526819-\$ or US-6889085-\$ or US-5885225-\$ or US-5868682-\$ or US-5710819-\$ or US-6393325-\$ or US-7039466-\$ or US-6915166-\$ or US-6198971-\$ or US-5891183-\$ or US-5762583-\$ or US-5755747-\$ or US-5531774-\$ or US-6304787-\$ or US-5649970-\$ or US-6970570-\$ or US-6868163-\$).did. or (US-6731769-\$ or US-6571207-\$ or US-5867816-\$ or US-5809462-\$ or US-5800475-\$ or US-5794187-\$ or US-5758023-\$ or US-5749066-\$ or US-5271397-\$ or US-4532930-\$ or US-6925332-\$ or US-6731986-\$ or US-6397110-\$ or US-6374143-\$ or US-6175767-\$ or US-6157861-\$ or US-6068652-\$ or US-6002966-\$ or US-5860936-\$ or US-5601617-\$ or US-4648403-\$ or US-6609032-\$).did. | US-PGPUB; USPAT | OR | ON | 2006/06/14 16:20 |
| S82 | 553 | S77 and S78 and (S79 S80) | US-PGPUB; USPAT | OR | ON | 2006/06/14 16:21 |
| S83 | 43 | S77 and S78 and (octave S80) | US-PGPUB; USPAT | OR | ON | 2006/06/14 16:21 |
| S84 | 9 | S81 and S82 | US-PGPUB; USPAT | OR | ON | 2006/06/14 16:21 |
| S85 | 1 | S81 and S83 | US-PGPUB; USPAT | OR | ON | 2006/06/14 16:21 |

EAST Search History

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| S86 | 3040 | (cochlea cochlear) and (implant system device) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/15 11:05 |
| S87 | 213 | S86 and music | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/15 11:05 |
| S88 | 69 | (US-20060116742-\$ or US-20040236390-\$ or US-20050273141-\$ or US-20050245987-\$ or US-20050137651-\$ or US-20050137650-\$ or US-20030114899-\$ or US-20020010496-\$ or US-20040136556-\$ or US-20060100672-\$ or US-20050209655-\$ or US-20010031909-\$ or US-20040082980-\$ or US-20030167077-\$ or US-20020128827-\$ or US-20020116177-\$ or US-20050065781-\$ or US-20050008179-\$ or US-20050033377-\$ or US-20030171786-\$ or US-20030036790-\$).did. or (US-6415185-\$ or US-6289247-\$ or US-6249704-\$ or US-6219580-\$ or US-6205360-\$ or US-6078838-\$ or US-5626629-\$ or US-4495384-\$ or US-4357497-\$ or US-5526819-\$ or US-6889085-\$ or US-5885225-\$ or US-5868682-\$ or US-5710819-\$ or US-6393325-\$ or US-7039466-\$ or US-6915166-\$ or US-6198971-\$ or US-5891183-\$ or US-5762583-\$ or US-5755747-\$ or US-5531774-\$ or US-6304787-\$ or US-5649970-\$ or US-6970570-\$ or US-6868163-\$).did. or (US-6731769-\$ or US-6571207-\$ or US-5867816-\$ or US-5809462-\$ or US-5800475-\$ or US-5794187-\$ or US-5758023-\$ or US-5749066-\$ or US-5271397-\$ or US-4532930-\$ or US-6925332-\$ or US-6731986-\$ or US-6397110-\$ or US-6374143-\$ or US-6175767-\$ or US-6157861-\$ or US-6068652-\$ or US-6002966-\$ or US-5860936-\$ or US-5601617-\$ or US-4648403-\$ or US-6609032-\$).did. | US-PGPUB; USPAT | OR | ON | 2006/06/15 11:39 |

EAST Search History

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|-----|----|-------------------------------|---|----|-----|------------------|
| S89 | 39 | S88 and (fitting programming) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/15 11:46 |
| S90 | 1 | ("6044160").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/06/15 11:46 |